

09/ 836,586

Welcome to STN International! Enter x:x

LOGINID:ssspta1202txn

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 Apr 08 "Ask CAS" for self-help around the clock  
NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area  
NEWS 4 Apr 09 ZDB will be removed from STN  
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB  
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS  
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER  
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available  
NEWS 9 Jun 03 New e-mail delivery for search results now available  
NEWS 10 Jun 10 MEDLINE Reload  
NEWS 11 Jun 10 PCTFULL has been reloaded  
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment  
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;  
saved answer sets no longer valid  
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY  
NEWS 15 Jul 30 NETFIRST to be removed from STN  
NEWS 16 Aug 08 CANCERLIT reload  
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN  
NEWS 18 Aug 08 NTIS has been reloaded and enhanced  
NEWS 19 Aug 09 JAPIO to be reloaded August 25, 2002  
NEWS 20 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)  
now available on STN  
NEWS 21 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded  
NEWS 22 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded  
NEWS 23 Aug 26 Sequence searching in REGISTRY enhanced  
  
NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,  
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),  
AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 16:41:27 ON 28 AUG 2002

09/ 836,586

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 16:41:36 ON 28 AUG 2002

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2002 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 26 AUG 2002 HIGHEST RN 444986-65-6

DICTIONARY FILE UPDATES: 26 AUG 2002 HIGHEST RN 444986-65-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES  
for more information. See STNote 27, Searching Properties in the CAS  
Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

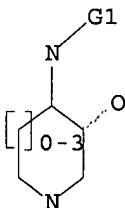
Uploading 09836586.str

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 CH2, SO2, [01]

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 16:42:00 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1412 TO ITERATE

70.8% PROCESSED 1000 ITERATIONS

50 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.02

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 25987 TO 30493

PROJECTED ANSWERS: 2884 TO 4514

09/ 836,586

L2 50 SEA SSS SAM L1

=> s l1 ful

FULL SEARCH INITIATED 16:42:06 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 27559 TO ITERATE

100.0% PROCESSED 27559 ITERATIONS 3406 ANSWERS  
SEARCH TIME: 00.00.07

L3 3406 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	140.28	140.49

FILE 'CAPLUS' ENTERED AT 16:42:22 ON 28 AUG 2002  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 28 Aug 2002 VOL 137 ISS 9  
FILE LAST UPDATED: 26 Aug 2002 (20020826/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s l3

L4 858 L3

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.19	141.68

FILE 'REGISTRY' ENTERED AT 16:44:05 ON 28 AUG 2002  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2002 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 26 AUG 2002 HIGHEST RN 444986-65-6  
DICTIONARY FILE UPDATES: 26 AUG 2002 HIGHEST RN 444986-65-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when

09/ 836,586

conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> d his

(FILE 'HOME' ENTERED AT 16:41:27 ON 28 AUG 2002)

FILE 'REGISTRY' ENTERED AT 16:41:36 ON 28 AUG 2002

L1 STRUCTURE UPLOADED

L2 50 S L1

L3 3406 S L1 FUL

FILE 'CAPLUS' ENTERED AT 16:42:22 ON 28 AUG 2002

L4 858 S L3

FILE 'REGISTRY' ENTERED AT 16:44:05 ON 28 AUG 2002

=> s l3 and leucin?

119313 LEUCIN?

L5 31 L3 AND LEUCIN?

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

4.38

146.06

FILE 'CAPLUS' ENTERED AT 16:44:37 ON 28 AUG 2002

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 28 Aug 2002 VOL 137 ISS 9

FILE LAST UPDATED: 26 Aug 2002 (20020826/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s l5

L6 5 L5

=> d l6 1- ibib abs hitstr

09/ 836,586

YOU HAVE REQUESTED DATA FROM 5 ANSWERS - CONTINUE? Y/(N):y

L6 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:171694 CAPLUS

DOCUMENT NUMBER: 136:232208

TITLE: Preparation of 4-aminoazepan-3-one parasitic cysteine protease inhibitors effective against malaria and other diseases

INVENTOR(S): Tew, David G.; Thompson, Scott K.; Veber, Daniel F.

PATENT ASSIGNEE(S): Smithkline Beecham Corporation, UK

SOURCE: PCT Int. Appl., 220 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

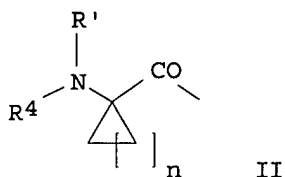
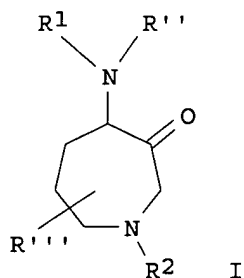
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002017924	A1	20020307	WO 2001-US27178	20010831
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2001086983	A5	20020313	AU 2001-86983	20010831
PRIORITY APPLN. INFO.:			US 2000-653815	A2 20000901
			US 2001-881334	A2 20010614
			WO 2001-US27178	W 20010831

OTHER SOURCE(S): MARPAT 136:232208

GI



AB The present invention relates to methods of treating parasitic diseases which are mediated by cysteine proteases by administration of 4-aminoazepan-3-one protease inhibitors I (e.g. benzo[1,3]dioxole-5-carboxylic acid [(S)-1-(1-benzyl-3-oxoazepan-4-ylcarbamoyl)-3-methylbutyl]amide) and pharmaceutically acceptable salts, hydrates and solvates thereof. In particular, the present invention relates to a method of treating malaria by inhibiting the cysteine protease falcipain. Other diseases against which the claimed compds. are effective include trypanosomiasis (African sleeping sickness, Chagas disease), leishmaniasis, schistosomiasis, onchocerciasis (river blindness) and giardiasis. In I: R1 is R4NR'CHR3C(O)-, R5XCHR3C(O)-, R3CH2C(O)-, R4NR'CR'''R3C(O)-, II. R2 is H, C1-6alkyl, C3-6cycloalkyl-C0-6alkyl, Ar-C0-6alkyl, Het-C0-6alkyl, R9C(O)-, R9C(S)-, R9SO2-, R9OC(O)-,

R9R11NC(O)-, R9R11NC(S)-, R9(R11)NSO2-, 3-(2-pyridyl)benzylcarbonyl, 2-(3-(2-pyridyl)phenyl)ethyl, R7NR6CHR8Z-, and R9SO2R11NC(O)-. R3 is H, C1-6alkyl, C3-6cycloalkyl-C0-6alkyl, C2-6alkenyl, C2-6alkynyl, HetC0-6alkyl and ArC0-6alkyl. R3 and R' may be connected to form a pyrrolidine, piperidine or morpholine ring. R4 is H, C1-6alkyl, C3-6cycloalkyl-C0-6alkyl, Ar-C0-6alkyl, Het-C0-6alkyl, R5C(O)-, R5C(S)-, R5SO2-, R5OC(O)-, R5R12NC(O)-, and R5R12NC(S)-. R5 is H, C1-6alkyl, C2-6alkenyl, C2-6alkynyl, C3-6cycloalkyl-C0-6alkyl, Ar-C0-6alkyl and Het-C0-6alkyl. R6 is H, C1-6alkyl, Ar-C0-6alkyl, and Het-C0-6alkyl. R7 is H, C1-6alkyl, C3-6cycloalkyl-C0-6alkyl, Ar-C0-6alkyl, Het-C0-6alkyl, R10C(O)-, R10C(S)-, R10SO2-, R10OC(O)-, R10R13NC(O)-, and R10R13NC(S)-. R8 is H, C1-6alkyl, C2-6alkenyl, C2-6alkynyl, HetC0-6alkyl and ArC0-6alkyl. R9, R10 independently = C1-6alkyl, C3-6cycloalkyl-C0-6alkyl, Ar-C0-6alkyl and Het-C0-6alkyl. R11, R12, R13, R', R'' independently = H, C1-6alkyl, Ar-C0-6alkyl, and Het-C0-6alkyl. R''' is H, C1-6alkyl, C3-6cycloalkyl-C0-6alkyl, Ar-C0-6alkyl, and Het-C0-6alkyl; R'''' is C1-6alkyl, C3-6cycloalkyl-C0-6alkyl C2-6alkenyl, C2-6alkynyl, HetC0-6alkyl and ArC0-6alkyl. X is CH2, S, and O; Z is C(O) and CH2; n is 1-5. Although the methods of prepn. are not claimed, 220 example preps. are included.

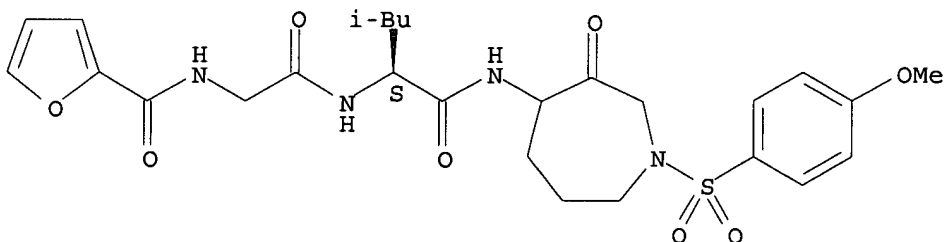
IT **403605-60-7P**, Furan-2-carboxylic acid [[[(1S)-1-[[1-(4-methoxybenzenesulfonyl)-3-oxoazepan-4-yl]carbamoyl]-3-methylbutyl]carbamoyl]methyl]amide **403606-20-2P**, (R)-1-Benzyl-5-oxopyrrolidine-2-carboxylic acid [(1S)-3-methyl-1-[[3-oxo-1-(pyridine-2-sulfonyl)azepan-4-yl]carbamoyl]butyl]amide  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of 4-aminoazepan-3-one parasitic cysteine protease inhibitors effective against malaria and other diseases)

RN **403605-60-7** CAPLUS

CN L-Leucinamide, N-(2-furanylcarbonyl)glycyl-N-[hexahydro-1-[(4-methoxyphenyl)sulfonyl]-3-oxo-1H-azepin-4-yl]- (9CI) (CA INDEX NAME)

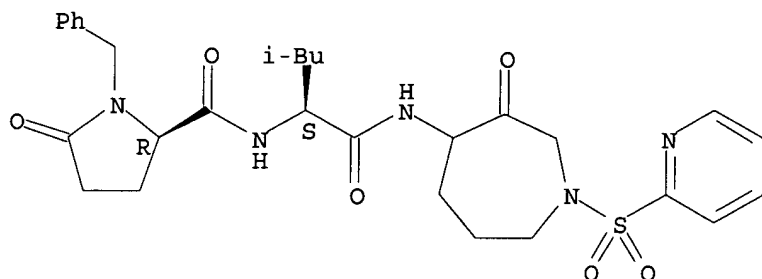
Absolute stereochemistry.



RN **403606-20-2** CAPLUS

CN L-Leucinamide, 5-oxo-1-(phenylmethyl)-D-prolyl-N-[hexahydro-3-oxo-1-(2-pyridinylsulfonyl)-1H-azepin-4-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:923616 CAPLUS

DOCUMENT NUMBER: 136:53691

TITLE: Preparation of 4-amino-azepan-3-one protease inhibitors

INVENTOR(S): Marquis, Robert W., Jr.; Ru, Yu; Veber, Daniel F.; Cummings, Maxwell D.; Thompson, Scott K.; Yamashita, Dennis

PATENT ASSIGNEE(S): Smithkline Beecham Corporation, USA

SOURCE: PCT Int. Appl., 322 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

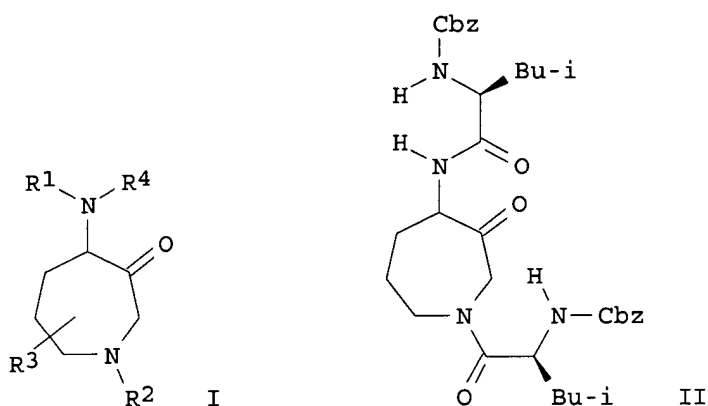
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001095911	A1	20011220	WO 2001-US19062	20010614
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: US 2000-593845 A2 20000614

OTHER SOURCE(S): MARPAT 136:53691

GI

D. I. E.



AB The title compds. [I; R1 = COCR13NR11R12, COCR13XR15, COCH2R13; R2 = H, alkyl, cycloalkylalkyl, etc.; R3 = H, alkyl, cycloalkylalkyl, etc.; R4 = H, alkyl, arylalkyl, etc.; R11 = H, alkyl, arylalkyl, etc.; R12 = H, alkyl, cycloalkyl, etc.; R13 = H, alkyl, alkenyl, etc.; R15 = H, alkyl, alkenyl, etc.] which inhibit proteases (no data), including cathepsin K, and are useful for treating diseases of excessive bone loss or cartilage or matrix degrdn. including osteoporosis, gingival disease including gingivitis and periodontitis, arthritis, more specifically, osteoarthritis and rheumatoid arthritis, Paget's disease, hypercalcemia of malignancy, and metabolic bone disease, were prepd. E.g., a multi-step synthesis of compd. II was given.

IT 281215-81-4P 281215-88-1P 281215-94-9P  
 281215-99-4P 281216-82-8P 281216-92-0P  
 281216-93-1P 281217-89-8P 281217-96-7P  
 281218-02-8P 281218-07-3P 281218-86-8P  
 281218-95-9P 281218-97-1P

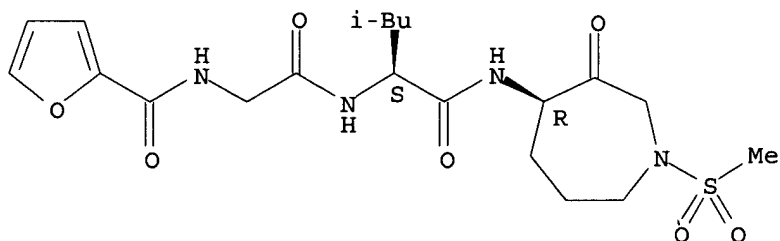
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of 4-amino-azepan-3-one protease inhibitors)

RN 281215-81-4 CAPLUS

CN L-Leucinamide, N-(2-furanylcarbonyl)glycyl-N-[(4R)-hexahydro-1-(methylsulfonyl)-3-oxo-1H-azepin-4-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



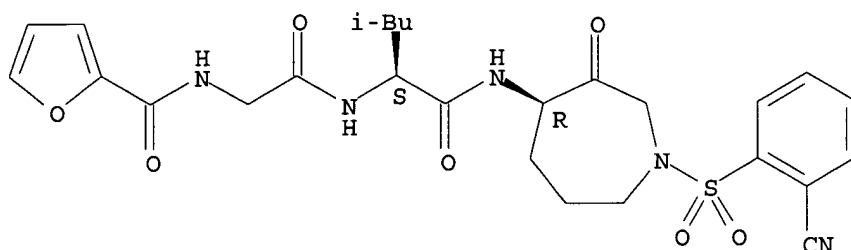
RN 281215-88-1 CAPLUS

CN L-Leucinamide, N-(2-furanylcarbonyl)glycyl-N-[(4R)-1-[(2-cyanophenyl)sulfonyl]hexahydro-3-oxo-1H-azepin-4-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



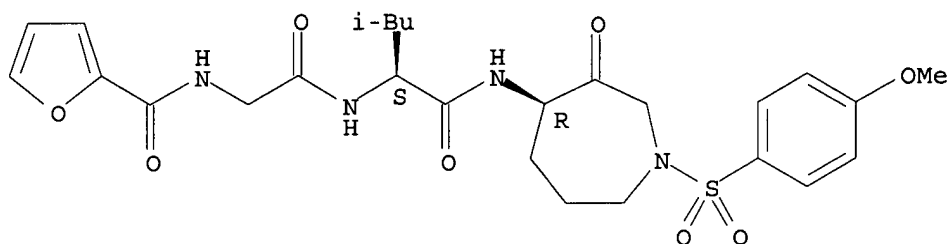
09/ 836,586



RN 281215-94-9 CAPLUS

CN L-Leucinamide, N-(2-furanylcarbonyl)glycyl-N-[(4R)-hexahydro-1-[(4-methoxyphenyl)sulfonyl]-3-oxo-1H-azepin-4-yl]- (9CI) (CA INDEX NAME)

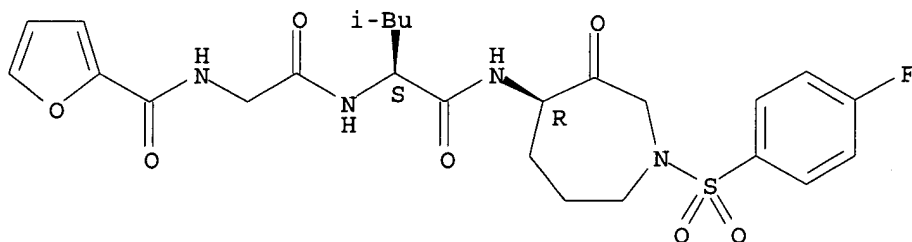
Absolute stereochemistry.



RN 281215-99-4 CAPLUS

CN L-Leucinamide, N-(2-furanylcarbonyl)glycyl-N-[(4R)-1-[(4-fluorophenyl)sulfonyl]hexahydro-3-oxo-1H-azepin-4-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

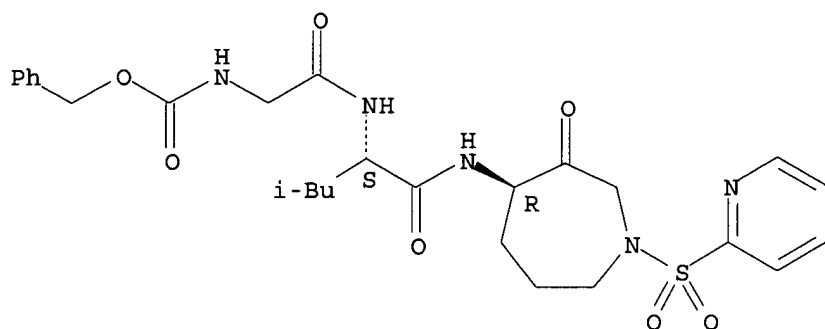


RN 281216-82-8 CAPLUS

CN L-Leucinamide, N-[(phenylmethoxy)carbonyl]glycyl-N-[(4R)-hexahydro-3-oxo-1-(2-pyridinylsulfonyl)-1H-azepin-4-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

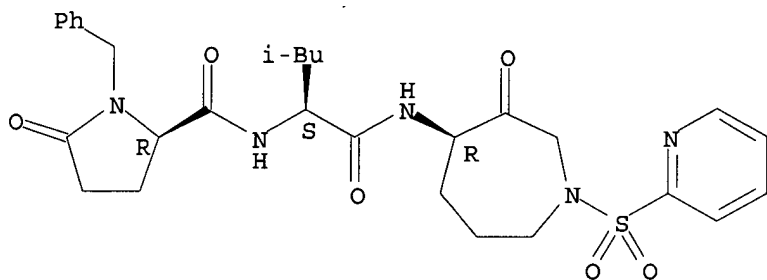
09/ 836,586



RN 281216-92-0 CAPLUS

CN L-Leucinamide, 5-oxo-1-(phenylmethyl)-D-prolyl-N-[(4R)-hexahydro-3-oxo-1-(2-pyridinylsulfonyl)-1H-azepin-4-yl]- (9CI) (CA INDEX NAME)

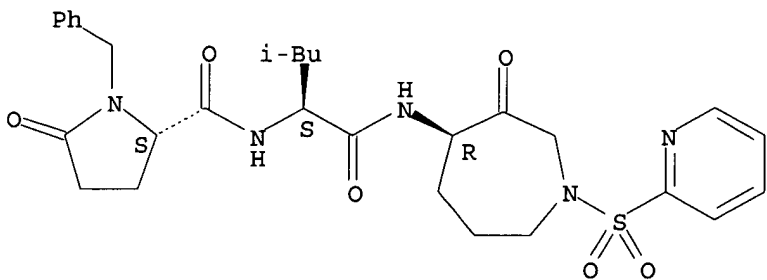
Absolute stereochemistry.



RN 281216-93-1 CAPLUS

CN L-Leucinamide, 5-oxo-1-(phenylmethyl)-L-prolyl-N-[(4R)-hexahydro-3-oxo-1-(2-pyridinylsulfonyl)-1H-azepin-4-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

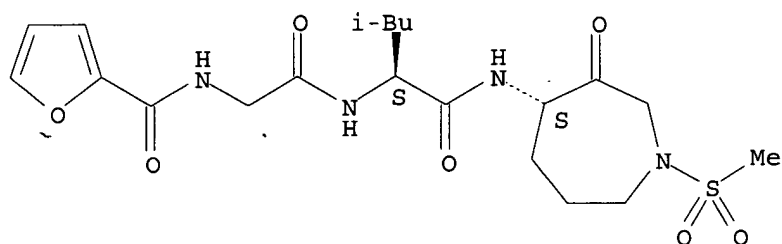


RN 281217-89-8 CAPLUS

CN L-Leucinamide, N-(2-furanylcarbonyl)glycyl-N-[(4S)-hexahydro-1-(methylsulfonyl)-3-oxo-1H-azepin-4-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

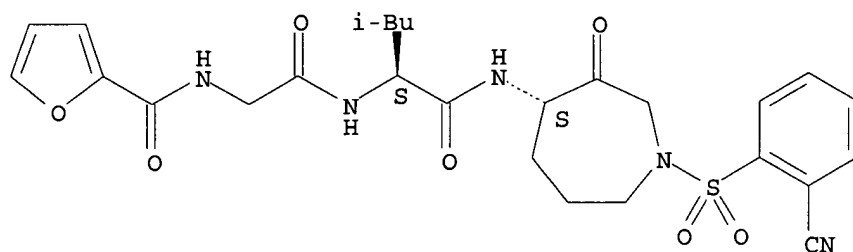
09/ 836,586



RN 281217-96-7 CAPLUS

CN L-Leucinamide, N-(2-furanylcarbonyl)glycyl-N-[(4S)-1-[(2-cyanophenyl)sulfonyl]hexahydro-3-oxo-1H-azepin-4-yl]- (9CI) (CA INDEX NAME)

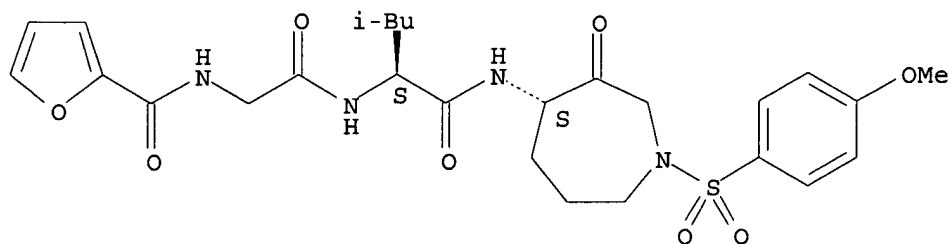
Absolute stereochemistry.



RN 281218-02-8 CAPLUS

CN L-Leucinamide, N-(2-furanylcarbonyl)glycyl-N-[(4S)-hexahydro-1-[(4-methoxyphenyl)sulfonyl]-3-oxo-1H-azepin-4-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

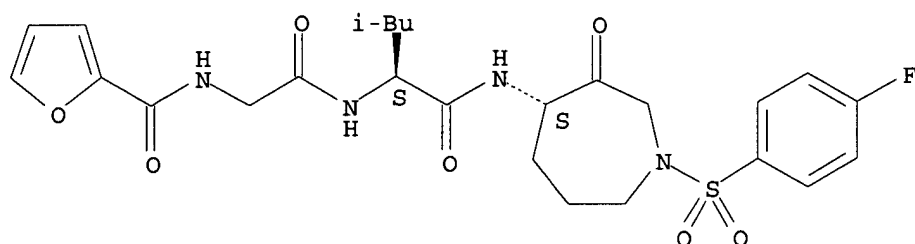


RN 281218-07-3 CAPLUS

CN L-Leucinamide, N-(2-furanylcarbonyl)glycyl-N-[(4S)-1-[(4-fluorophenyl)sulfonyl]hexahydro-3-oxo-1H-azepin-4-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

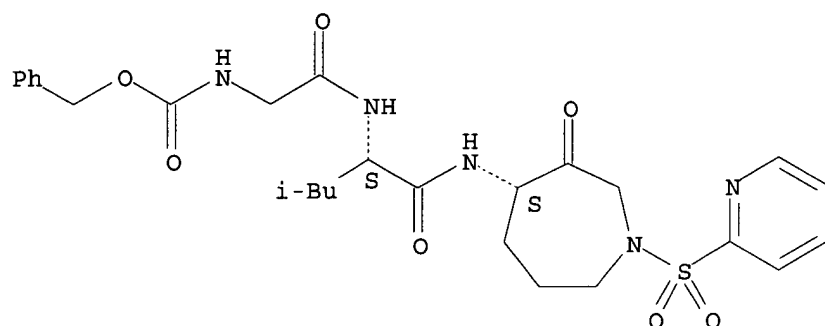
09/ 836,586



RN 281218-86-8 CAPLUS

CN L-Leucinamide, N-[(phenylmethoxy)carbonyl]glycyl-N-[(4S)-hexahydro-3-oxo-1-(2-pyridinylsulfonyl)-1H-azepin-4-yl]- (9CI) (CA INDEX NAME)

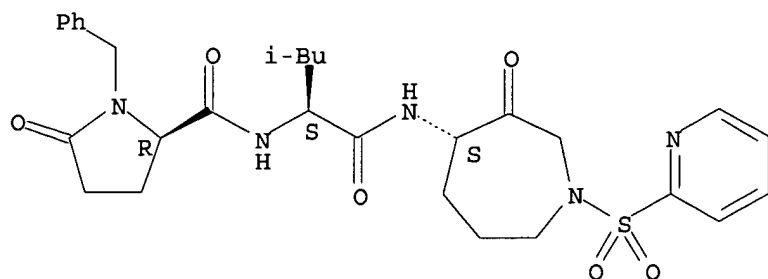
Absolute stereochemistry.



RN 281218-95-9 CAPLUS

CN L-Leucinamide, 5-oxo-1-(phenylmethyl)-D-prolyl-N-[(4S)-hexahydro-3-oxo-1-(2-pyridinylsulfonyl)-1H-azepin-4-yl]- (9CI) (CA INDEX NAME)

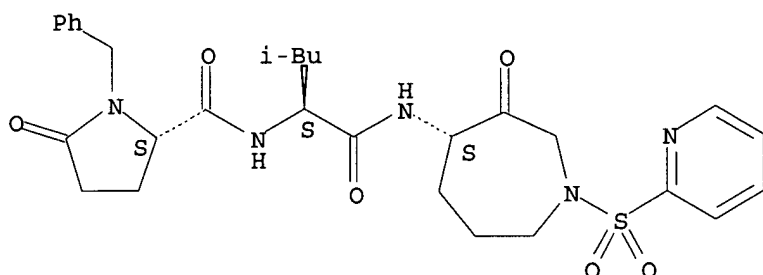
Absolute stereochemistry.



RN 281218-97-1 CAPLUS

CN L-Leucinamide, 5-oxo-1-(phenylmethyl)-L-prolyl-N-[(4S)-hexahydro-3-oxo-1-(2-pyridinylsulfonyl)-1H-azepin-4-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:713145 CAPLUS

DOCUMENT NUMBER: 135:273219

TITLE: Preparation of C1-6 alkyl-4-aminoazepan-3-one derivatives as protease inhibitors

INVENTOR(S): Cummings, Maxwell D.; Marquis, Robert W., Jr.; Ru, Yu; Thompson, Scott K.; Veber, Daniel F.; Yamashita, Dennis S.

PATENT ASSIGNEE(S): Smithkline Beecham Corporation, USA

SOURCE: PCT Int. Appl., 173 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

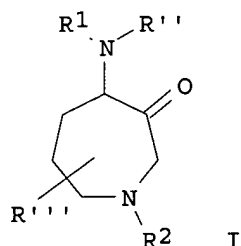
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001070232	A1	20010927	WO 2001-US7094	20010307
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			US 2000-191000P	P 20000321
			US 2000-206341P	P 20000523
			US 2000-211759P	P 20000614
			US 2000-217445P	P 20000710

OTHER SOURCE(S): MARPAT 135:273219

GI

D. I. E.



AB 4-Aminoazepan-3-one derivs. I [R1 is an acyl group R3CH2CO, R4NR'CRR3CO or R5-X-CHR3CO; R = H or RR3 = (CH2)n (n = 1-5); R2-R5 = H, alkyl, cycloalkyl, cycloalkylalkyl, heterocyclyl, heterocyclylalkyl, etc.; R', R'' = H, alkyl, aryl, arylalkyl, heterocyclyl, heterocyclylalkyl; X = CH2, S or O; R''' = alkyl; R3 and R' may be connected to form a pyrrolidine, piperidine or morpholine ring] or their pharmaceutically acceptable salts were prepd. as protease inhibitors for treating various diseases, including excessive bone loss or cartilage or matrix degrdn. Thus, 5-methoxybenzofuran-2-carboxylic acid [(S)-3-methyl-1-[(4S,6S)- (or 4R,6R)-6-methyl-3-oxo-1-(pyridine-2-sulfonyl)azepan-4-ylcarbonyl]butyl]amide was prepd. by a multistep procedure involving coupling of 4-amino-6-methyl-1-(pyridine-2-sulfonyl)azepan-3-ol (prepn. given) with Boc-Leu-OH and 5-methoxybenzofuran-2-carboxylic acid.

IT 362507-09-3P 362509-05-5P

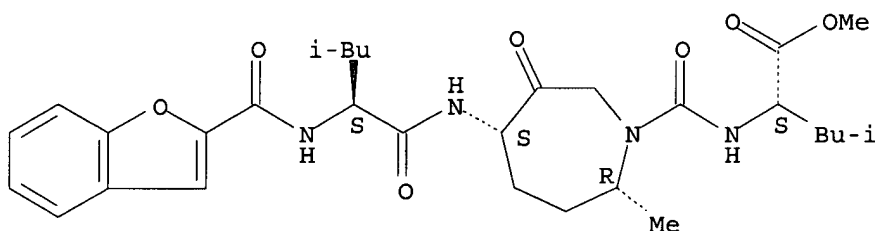
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(prepn. of alkyl aminoazepanone derivs. as protease inhibitors)

RN 362507-09-3 CAPLUS

CN L-Leucine, N-(2-benzofuranylcarbonyl)-L-leucyl-(2R,5S)-5-amino-6-hydroxy-2-methyl-1H-azepine-1-carbonyl-, methyl ester (9CI) (CA INDEX NAME)

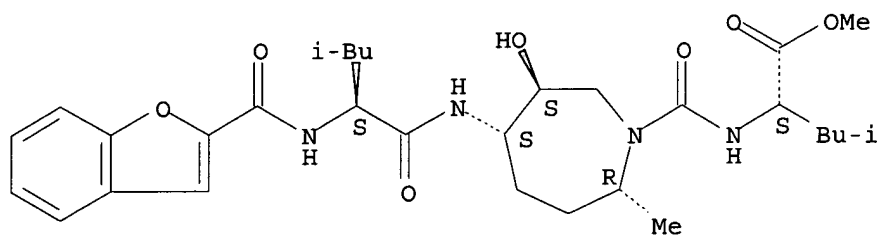
Absolute stereochemistry.



RN 362509-05-5 CAPLUS

CN L-Leucine, N-(2-benzofuranylcarbonyl)-L-leucyl-(2R,5S,6S)-5-amino-6-hydroxy-2-methyl-1H-azepine-1-carbonyl-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



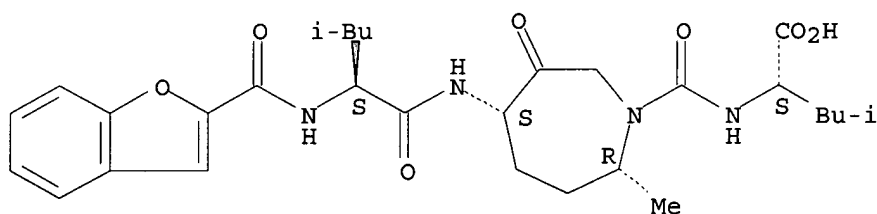
IT 362507-12-8P 362507-15-1P 362507-19-5P  
 362507-22-0P 362507-25-3P 362507-28-6P  
 362507-31-1P 362509-08-8P 362509-11-3P  
 362509-14-6P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (prepn. of alkyl aminoazepanone derivs. as protease inhibitors)

RN 362507-12-8 CAPLUS

CN L-Leucine, N-(2-benzofuranylcarbonyl)-L-leucyl-(2R,5S)-5-amino-6-hydroxy-2-methyl-6-oxo-1H-azepine-1-carbonyl- (9CI) (CA INDEX NAME)

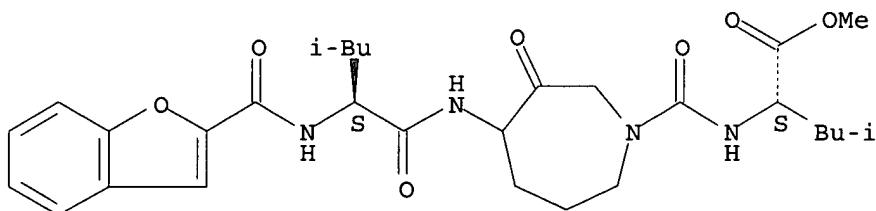
Absolute stereochemistry.



RN 362507-15-1 CAPLUS

CN L-Leucine, N-(2-benzofuranylcarbonyl)-L-leucyl-4-amino-6-hydroxy-3-oxo-1H-azepine-1-carbonyl-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

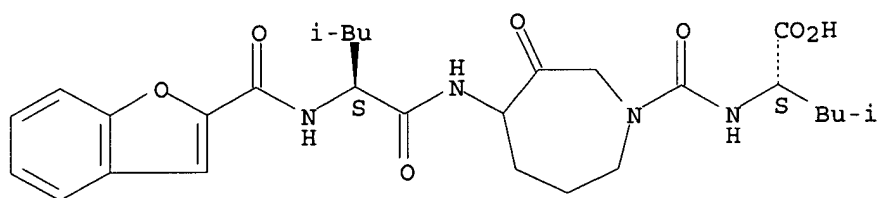


RN 362507-19-5 CAPLUS

CN L-Leucine, N-(2-benzofuranylcarbonyl)-L-leucyl-4-amino-6-hydroxy-3-oxo-1H-azepine-1-carbonyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

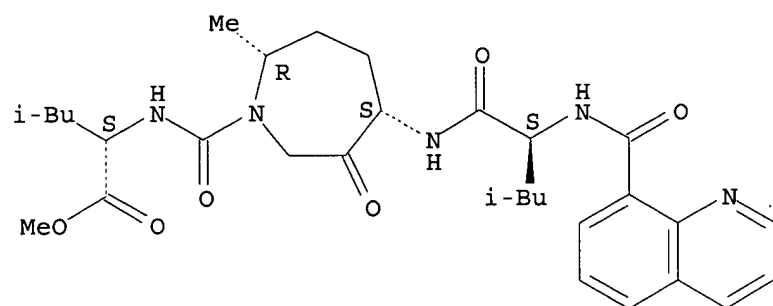
09/ 836,586



RN 362507-22-0 CAPLUS

CN L-Leucine, N-(8-quinolinylcarbonyl)-L-leucyl-(2R,5S)-5-aminohexahydro-2-methyl-6-oxo-1H-azepine-1-carbonyl-, methyl ester (9CI) (CA INDEX NAME)

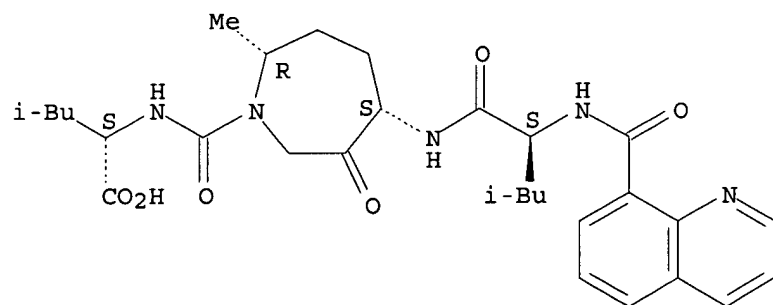
Absolute stereochemistry.



RN 362507-25-3 CAPLUS

CN L-Leucine, N-(8-quinolinylcarbonyl)-L-leucyl-(2R,5S)-5-aminohexahydro-2-methyl-6-oxo-1H-azepine-1-carbonyl- (9CI) (CA INDEX NAME)

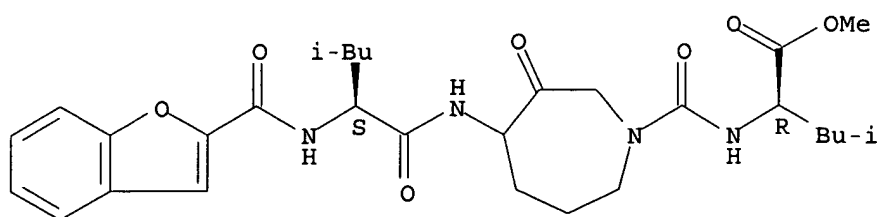
Absolute stereochemistry.



RN 362507-28-6 CAPLUS

CN D-Leucine, N-(2-benzofuranylcarbonyl)-L-leucyl-4-aminohexahydro-3-oxo-1H-azepine-1-carbonyl-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



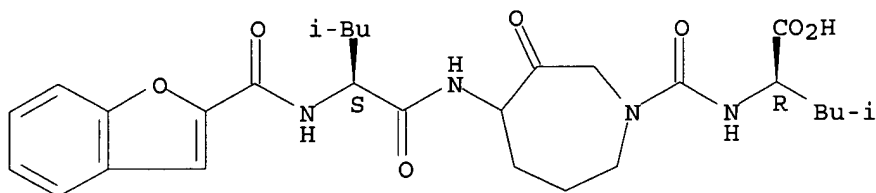


09/ 836,586

RN 362507-31-1 CAPLUS

CN D-Leucine, N-(2-benzofuranylcarbonyl)-L-leucyl-4-aminohexahydro-3-oxo-1H-azepine-1-carbonyl- (9CI) (CA INDEX NAME)

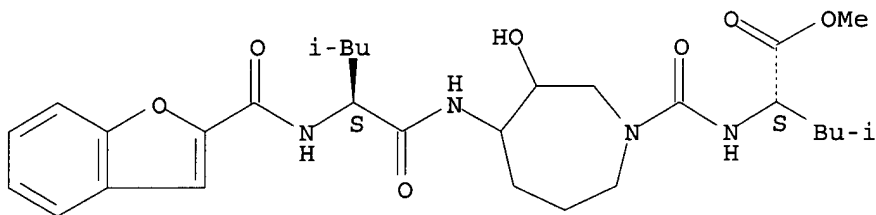
Absolute stereochemistry.



RN 362509-08-8 CAPLUS

CN L-Leucine, N-(2-benzofuranylcarbonyl)-L-leucyl-4-aminohexahydro-3-hydroxy-1H-azepine-1-carbonyl-, methyl ester (9CI) (CA INDEX NAME)

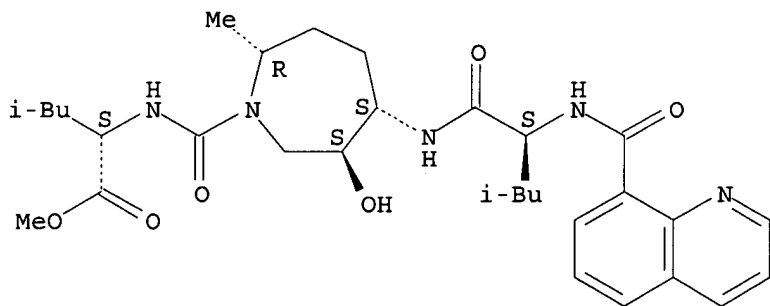
Absolute stereochemistry.



RN 362509-11-3 CAPLUS

CN L-Leucine, N-(8-quinolinylcarbonyl)-L-leucyl-(2R,5S,6S)-5-aminohexahydro-6-hydroxy-2-methyl-1H-azepine-1-carbonyl-, methyl ester (9CI) (CA INDEX NAME)

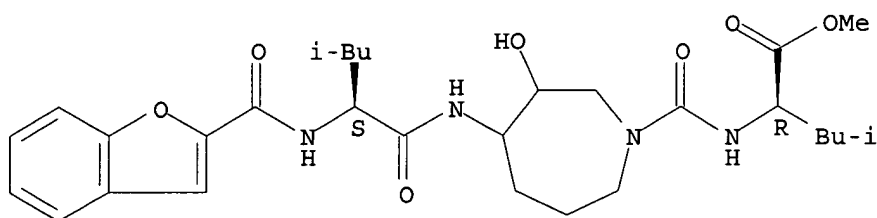
Absolute stereochemistry.



RN 362509-14-6 CAPLUS

CN D-Leucine, N-(2-benzofuranylcarbonyl)-L-leucyl-4-aminohexahydro-3-hydroxy-1H-azepine-1-carbonyl-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 362510-45-0P 362510-47-2P

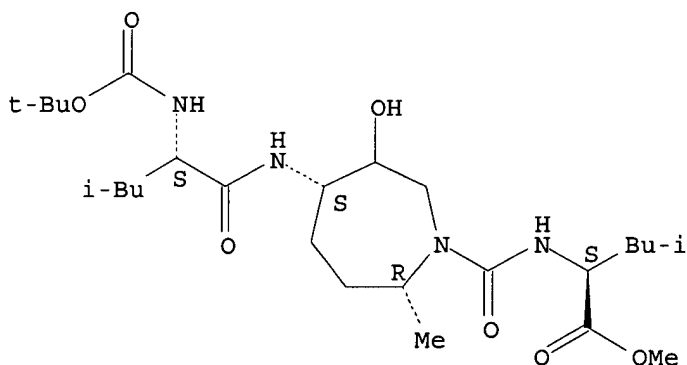
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of alkyl aminoazepanone derivs. as protease inhibitors)

RN 362510-45-0 CAPLUS

CN L-Leucine, N-[(1,1-dimethylethoxy)carbonyl]-L-leucyl-(2R,5S)-5-amino-6-hydroxy-2-methyl-1H-azepine-1-carbonyl-, methyl ester (9CI) (CA INDEX NAME)

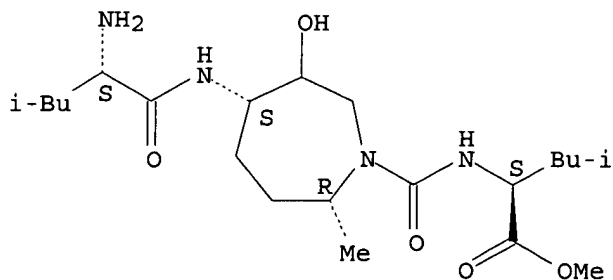
Absolute stereochemistry.



RN 362510-47-2 CAPLUS

CN L-Leucine, L-leucyl-(2R,5S)-5-amino-6-hydroxy-2-methyl-1H-azepine-1-carbonyl-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:

1

THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:456887 CAPLUS

DOCUMENT NUMBER: 133:89444

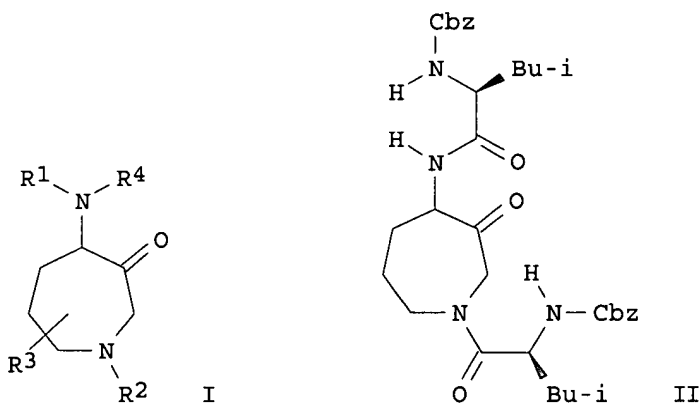
TITLE: Preparation of 4-amino-azepan-3-one protease inhibitors

09/ 836,586

INVENTOR(S): Marquis, Robert Wells, Jr.; Ru, Yu; Veber, Daniel  
Frank; Cummings, Maxwell David; Thompson, Scott Kevin;  
Yamashita, Dennis  
PATENT ASSIGNEE(S): Smithkline Beecham Corp., USA  
SOURCE: PCT Int. Appl., 273 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000038687	A1	20000706	WO 1999-US30730	19991221
W:	AE, AL, AU, BA, BB, BG, BR, CA, CN, CZ, EE, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
BR 9916488	A	20011009	BR 1999-16488	19991221
EP 1158986	A1	20011205	EP 1999-963112	19991221
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
NO 2001003124	A	20010622	NO 2001-3124	20010622
PRIORITY APPLN. INFO.:			US 1998-113636P	P 19981223
			US 1999-164581P	P 19991110
			WO 1999-US30730	W 19991221

OTHER SOURCE(S): MARPAT 133:89444  
GI



AB The title compds. [I; R<sup>1</sup> = COCR13NR11R12, COCR13XR15, COCH2R13; R<sup>2</sup> = H, alkyl, cycloalkylalkyl, etc.; R<sup>3</sup> = H, alkyl, cycloalkylalkyl, etc.; R<sup>4</sup> = H, alkyl, arylalkyl, etc.; R<sup>11</sup> = H, alkyl, arylalkyl, etc.; R<sup>12</sup> = H, alkyl, cycloalkyl, etc.; R<sup>13</sup> = H, alkyl, alkenyl, etc.; R<sup>15</sup> = H, alkyl, alkenyl, etc.] which inhibit proteases (no data), including cathepsin K, and are useful for treating diseases of excessive bone loss or cartilage or matrix degrdn. including osteoporosis, gingival disease including gingivitis and periodontitis, arthritis, more specifically, osteoarthritis and rheumatoid arthritis, Paget's disease, hypercalcemia of malignancy, and metabolic bone disease, were prepd. E.g., a multi-step synthesis of compd. II was given. Compds. I are effective at 0.4-400 mg/kg/day.

09/ 836,586

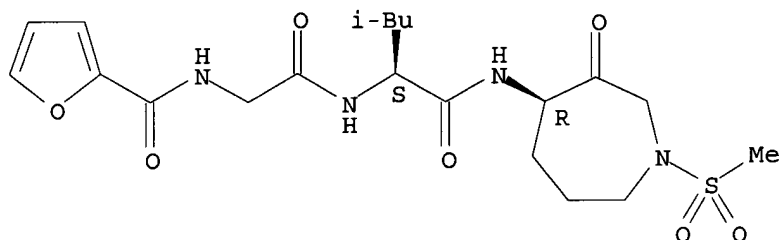
IT 281215-81-4P 281215-88-1P 281215-94-9P  
281215-99-4P 281216-82-8P 281216-92-0P  
281216-93-1P 281217-89-8P 281217-96-7P  
281218-02-8P 281218-07-3P 281218-86-8P  
281218-95-9P 281218-97-1P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of 4-amino-azepan-3-one protease inhibitors)

RN 281215-81-4 CAPLUS

CN L-Leucinamide, N-(2-furanylcarbonyl)glycyl-N-[(4R)-hexahydro-1-(methylsulfonyl)-3-oxo-1H-azepin-4-yl]- (9CI) (CA INDEX NAME)

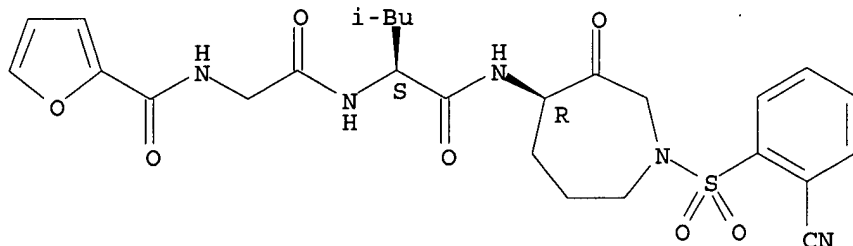
Absolute stereochemistry.



RN 281215-88-1 CAPLUS

CN L-Leucinamide, N-(2-furanylcarbonyl)glycyl-N-[(4R)-1-[(2-cyanophenyl)sulfonyl]hexahydro-3-oxo-1H-azepin-4-yl]- (9CI) (CA INDEX NAME)

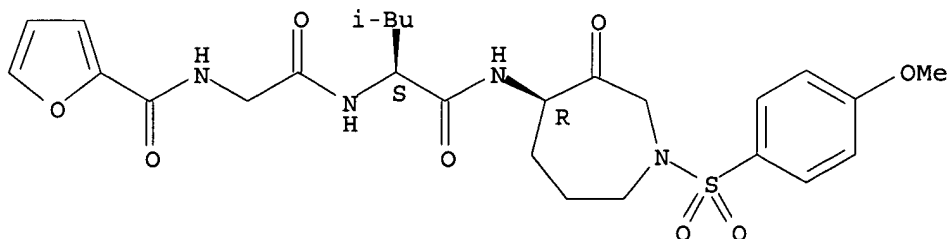
Absolute stereochemistry.



RN 281215-94-9 CAPLUS

CN L-Leucinamide, N-(2-furanylcarbonyl)glycyl-N-[(4R)-hexahydro-1-[(4-methoxyphenyl)sulfonyl]-3-oxo-1H-azepin-4-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



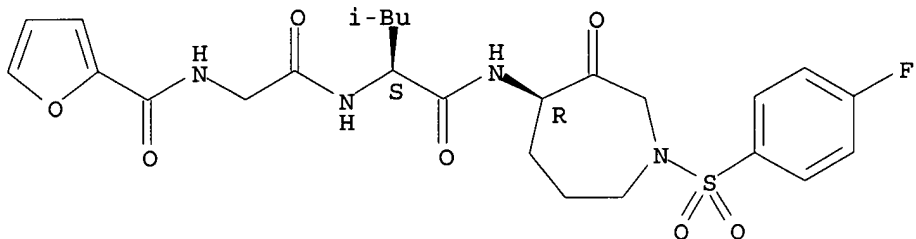
RN 281215-99-4 CAPLUS

CN L-Leucinamide, N-(2-furanylcarbonyl)glycyl-N-[(4R)-1-[(4-

09/ 836,586

fluorophenyl)sulfonyl]hexahydro-3-oxo-1H-azepin-4-yl]- (9CI) (CA INDEX NAME)

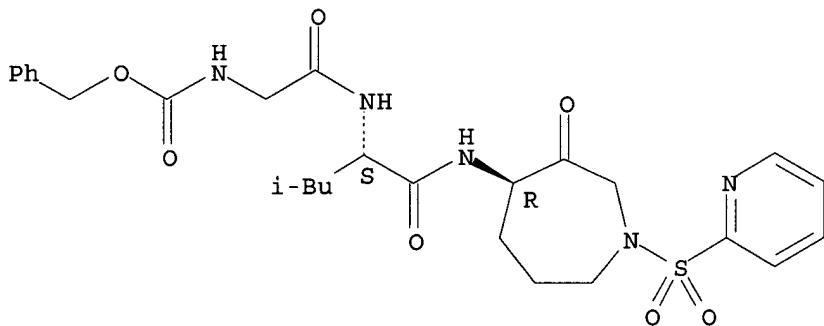
Absolute stereochemistry.



RN 281216-82-8 CAPLUS

CN L-Leucinamide, N-[(phenylmethoxy)carbonyl]glycyl-N-[(4R)-hexahydro-3-oxo-1-(2-pyridinylsulfonyl)-1H-azepin-4-yl]- (9CI) (CA INDEX NAME)

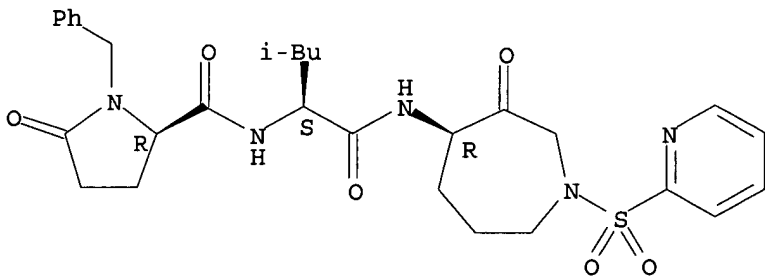
Absolute stereochemistry.



RN 281216-92-0 CAPLUS

CN L-Leucinamide, 5-oxo-1-(phenylmethyl)-D-prolyl-N-[(4R)-hexahydro-3-oxo-1-(2-pyridinylsulfonyl)-1H-azepin-4-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

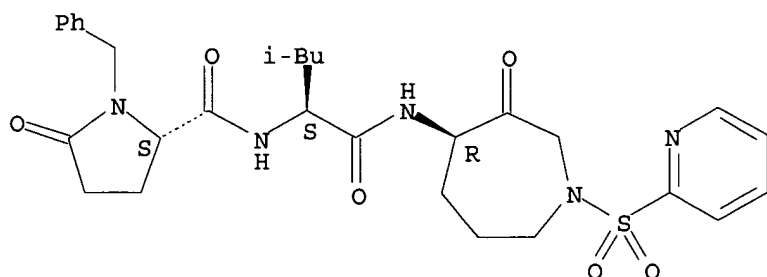


RN 281216-93-1 CAPLUS

CN L-Leucinamide, 5-oxo-1-(phenylmethyl)-L-prolyl-N-[(4R)-hexahydro-3-oxo-1-(2-pyridinylsulfonyl)-1H-azepin-4-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

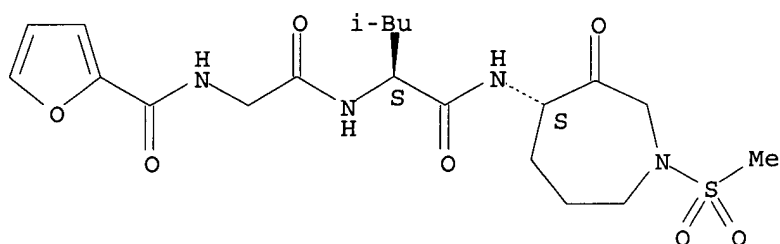
09/ 836,586



RN 281217-89-8 CAPLUS

CN L-Leucinamide, N-(2-furanylcarbonyl)glycyl-N-[(4S)-hexahydro-1-(methanysulfonyl)-3-oxo-1H-azepin-4-yl] - (9CI) (CA INDEX NAME)

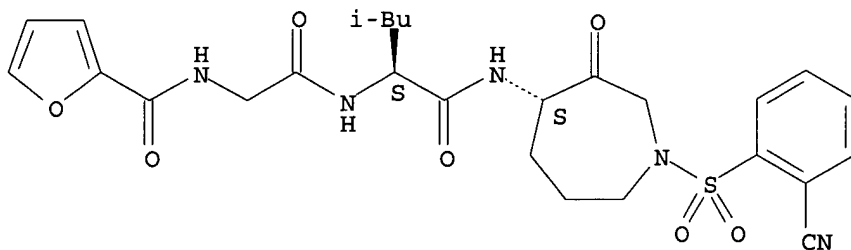
Absolute stereochemistry.



RN 281217-96-7 CAPLUS

CN L-Leucinamide, N-(2-furanylcarbonyl)glycyl-N-[(4S)-1-[(2-cyanophenyl)sulfonyl]hexahydro-3-oxo-1H-azepin-4-yl] - (9CI) (CA INDEX NAME)

Absolute stereochemistry.

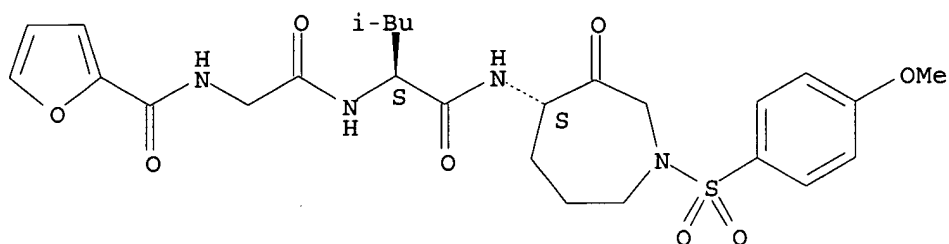


RN 281218-02-8 CAPLUS

CN L-Leucinamide, N-(2-furanylcarbonyl)glycyl-N-[(4S)-hexahydro-1-[(4-methoxyphenyl)sulfonyl]-3-oxo-1H-azepin-4-yl] - (9CI) (CA INDEX NAME)

Absolute stereochemistry.

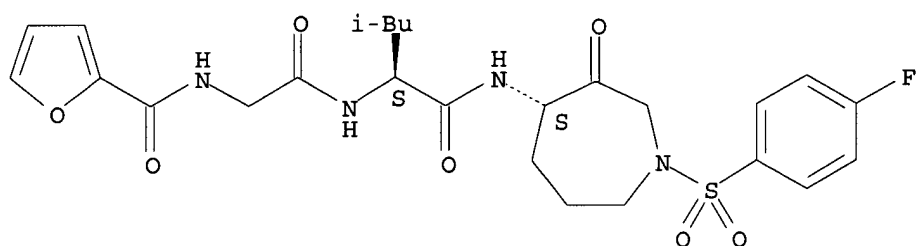
09/ 836,586



RN 281218-07-3 CAPLUS

CN L-Leucinamide, N-(2-furanylcarbonyl)glycyl-N-[(4S)-1-[(4-fluorophenyl)sulfonyl]hexahydro-3-oxo-1H-azepin-4-yl]- (9CI) (CA INDEX NAME)

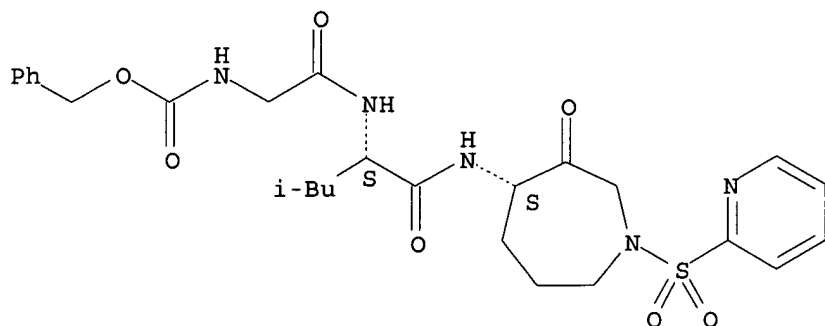
Absolute stereochemistry.



RN 281218-86-8 CAPLUS

CN L-Leucinamide, N-[(phenylmethoxy)carbonyl]glycyl-N-[(4S)-hexahydro-3-oxo-1-(2-pyridinylsulfonyl)-1H-azepin-4-yl]- (9CI) (CA INDEX NAME)

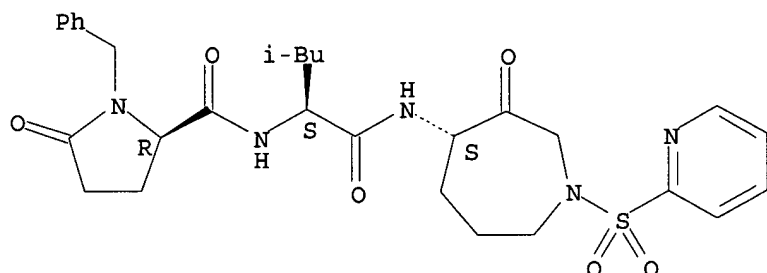
Absolute stereochemistry.



RN 281218-95-9 CAPLUS

CN L-Leucinamide, 5-oxo-1-(phenylmethyl)-D-prolyl-N-[(4S)-hexahydro-3-oxo-1-(2-pyridinylsulfonyl)-1H-azepin-4-yl]- (9CI) (CA INDEX NAME)

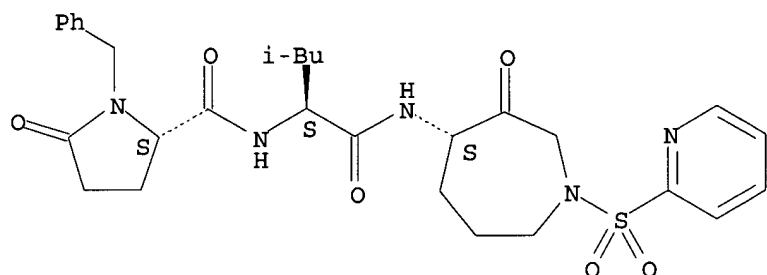
Absolute stereochemistry.



RN 281218-97-1 CAPLUS

CN L-Leucinamide, 5-oxo-1-(phenylmethyl)-L-prolyl-N-[(4S)-hexahydro-3-oxo-1-(2-pyridinylsulfonyl)-1H-azepin-4-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1998:197471 CAPLUS

DOCUMENT NUMBER: 128:265374

TITLE: Combinatorial approach for generating novel coordination complexes

INVENTOR(S): Jacobsen, Eric N.; Francis, Matthew B.; Finney, Nathaniel S.

PATENT ASSIGNEE(S): President and Fellows of Harvard College, USA; Jacobsen, Eric N.; Francis, Matthew B.; Finney, Nathaniel S.

SOURCE: PCT Int. Appl., 89 pp.  
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9812156	A1	19980326	WO 1997-US16740	19970919
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9745851	A1	19980414	AU 1997-45851	19970919

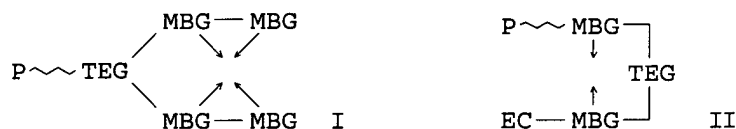


PRIORITY APPLN. INFO.:

US 1996-26432P P 19960920

WO 1997-US16740 W 19970919

GI



AB The present invention provides methods and compns., i.e. synthetic libraries of binding moieties, for identifying compds. which bind to a metal atom or to non-metal ions, e.g., cationic or anionic mols. Thus, combinatorial libraries, e.g. I and II (P = TentaGel S amino resin polymer support; TEG = turn element group, i.e. di- or trifunctional cyclic amino alc. or cyclic amino acid; MBG = metal binding group, i.e. amino acid residue; EC = end capping group, i.e. acyl residue) were prepd. and examd. for their ability to coordinate transition metal ions. Thus, a 12,000 member combinatorial library P-NHCO(CH<sub>2</sub>)<sub>5</sub>NH-A-B-C-D [III; P-NH<sub>2</sub> = TentaGel S amino resin polymer; A (position 1) = L- or D-Asp(OCMe<sub>3</sub>), L- or D-Ser(CMe<sub>3</sub>), L- or D-Met, L- or D-Tyr(CMe<sub>3</sub>), L- or D-phenylglycine, His(CPh<sub>3</sub>), Gly; C (position 2) = L-Asp(OCMe<sub>3</sub>), L-Ser(CMe<sub>3</sub>), L-Tyr(CMe<sub>3</sub>), L-His(CPh<sub>3</sub>), L-Met, L-Trp, Gly, L-phenylglycine, 4-piperidinecarboxylic acid; B (turn element) = 1-amino-2-carboxyloxycyclopentane stereoisomers, 1-amino-2-carboxyloxycyclohexane stereoisomers, 1-amino-2-carboxyloxyindane stereoisomers, L-Pro, D-pipecolinic acid; D (end cap) = RCO, tosyl, pyroglutamic acid, R = Me, CMe<sub>3</sub>, 1-naphthyl, CH<sub>2</sub>CO<sub>2</sub>Me, 2-pyridyl, 3,4-methylenedioxyphenyl, PhNH] was prepd. using std. solid-phase peptide coupling techniques. Library III was tested for Ni<sup>2+</sup> binding affinity by treatment with 2.5 .times. 10<sup>-4</sup> M Ni(OAc)<sub>2</sub> in MeOH followed by soln. of dimethylglyoxime in MeOH to form a reddish-pink ppt. trapped in the polymer matrix of about 6 of the 24,000 beads. Tag photolysis and anal. allowed the identification of the individual nickel-binding library members.

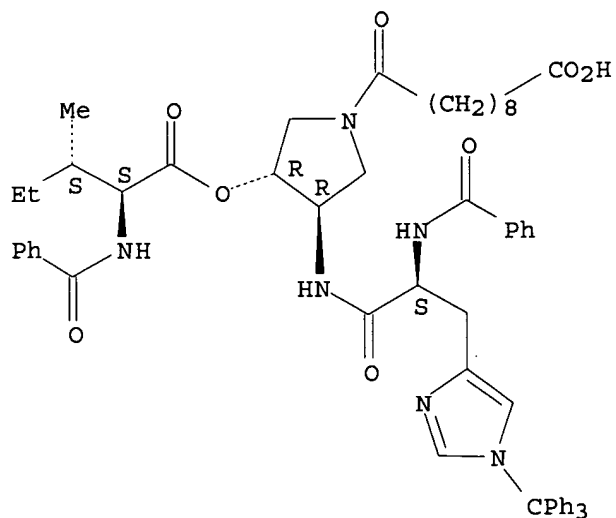
IT **205325-10-6DP**, amide with TentaGel S resin  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (combinatorial approach for generating novel coordination complexes)

RN 205325-10-6 CAPLUS

CN L-Isoleucine, N-benzoyl-, (3R,4R)-4-[[[(2S)-2-(benzoylamino)-1-oxo-3-[1-(triphenylmethyl)-1H-imidazol-4-yl]propyl]amino]-1-(9-carboxy-1-oxononyl)-3-pyrrolidinyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

09/ 836,586



=> d his

(FILE 'HOME' ENTERED AT 16:41:27 ON 28 AUG 2002)

FILE 'REGISTRY' ENTERED AT 16:41:36 ON 28 AUG 2002

L1 STRUCTURE UPLOADED  
L2 50 S L1  
L3 3406 S L1 FUL

FILE 'CAPLUS' ENTERED AT 16:42:22 ON 28 AUG 2002

L4 858 S L3

FILE 'REGISTRY' ENTERED AT 16:44:05 ON 28 AUG 2002

L5 31 S L3 AND LEUCIN?

FILE 'CAPLUS' ENTERED AT 16:44:37 ON 28 AUG 2002

L6 5 S L5

=> log y

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

22.34

168.40

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

ENTRY

TOTAL

SESSION

CA SUBSCRIBER PRICE

-3.10

-3.10

STN INTERNATIONAL LOGOFF AT 16:45:12 ON 28 AUG 2002